

SEPARATION DEVICE UTILIZING HOLLOW YARN MEMBRANE

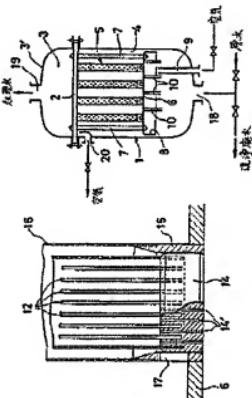
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Abstract of JP61293504

PURPOSE: To remove contaminants sticking to the external surface of hollow yarn effectively, by fixing a holding plate provided with a fitting port surrounding a foot end of each filter module, and providing also a downwardly directed cylinder to an external edge of a bottom surface of the holding plate.

CONSTITUTION: Many holes arranged coincidentally to filter modules 5 are bored to a separating plate 2 and a holding plate 6, and a short cylindrical piece is fitted as fitting piece 15 to each hole of the holding plate 6. A foot and board 14 of the module 5 is fitted to the fitting piece 15 and the top end is fixed to the hole in the separating plate 2. In the stage of washing of the module 5, air is fed to the inside part surrounded by lower cylinders 8 of the holding plate 6 through an air feeding pipe 9. Almost whole amt. of the air is introduced evenly into the inside of the module 5 from through holes 14' on the foot and board 14, then, raised upward among the hollow yarns 12 removing thereby contaminants sticking to the external surface of the hollow yarn. By this method, flushing is performed efficiently in a short time with small amt. of air.



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